



## **RAW SEQUENCE LISTING ERROR REPORT**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer-readable form:

Application Serial Number: 09/509,165  
Source: 1600 RUSH  
Date Processed by STIC: 1/9/2002

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

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1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,  
2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY  
FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.  
PATENTIN 2.1 e-mail help: [patin21help@uspto.gov](mailto:patin21help@uspto.gov) or phone 703-306-4119 (R. Wax)  
PATENTIN 3.0 e-mail help: [patin3help@uspto.gov](mailto:patin3help@uspto.gov) or phone 703-306-4119 (R. Wax)

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VERSION 3.1 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND  
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<http://www.uspto.gov/web/offices/pac/checker>

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2. U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
3. Hand Carry directly to:  
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7<sup>th</sup> Floor, Examiner Name,  
Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202  
Or  
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Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

1600

## RAW SEQUENCE LISTING

DATE: 01/09/2002

PATENT APPLICATION: US/09/509,165

TIME: 16:02:10

Input Set : A:\34810PCT.seq.txt

Output Set: N:\CRF3\01082002\I509165.raw

4 <110> APPLICANT: ICOS Corporation, et al.  
 6 <120> TITLE OF INVENTION: MACROPHAGE DERIVED CHEMOKINE (MDC), MDC ANALOGS, MDC  
 7 INHIBITOR SUBSTANCES, AND USES THEREOF  
 9 <130> FILE REFERENCE: 27866/34810PCT  
 11 <140> CURRENT APPLICATION NUMBER: US/09/509,165  
 12 <141> CURRENT FILING DATE: 1998-09-28  
 14 <150> PRIOR APPLICATION NUMBER: 09/067,447  
 15 <151> PRIOR FILING DATE: 1998-04-28  
 17 <150> PRIOR APPLICATION NUMBER: 08/939,107  
 18 <151> PRIOR FILING DATE: 1997-09-26  
 20 <150> PRIOR APPLICATION NUMBER: 08/660,542  
 21 <151> PRIOR FILING DATE: 1996-06-07  
 23 <150> PRIOR APPLICATION NUMBER: 08/558,658  
 24 <151> PRIOR FILING DATE: 1995-11-16  
 26 <150> PRIOR APPLICATION NUMBER: 08/479,620  
 27 <151> PRIOR FILING DATE: 1995-06-07  
 29 <160> NUMBER OF SEQ ID NOS: 46  
 31 <170> SOFTWARE: PatentIn Ver. 2.0

Does Not Comply  
Corrected Diskette Needed

## ERRORED SEQUENCES

397 <210> SEQ ID NO: 19  
 398 <211> LENGTH: 99  
 399 <212> TYPE: PRT  
 400 <213> ORGANISM: Homo *Sapiens* (Spapiens) - Hu MCP-1  
 401 <400> SEQUENCE: 19  
 402 Met Lys Val Ser Ala Ala Leu Leu Cys Leu Leu Leu Ile Ala Ala Thr  
 403 -20 -15 -10  
 405 Phe Ile Pro Gln Gly Leu Ala Gln Pro Asp Ala Ile Asn Ala Pro Val  
 406 -5 1 5  
 408 Thr Cys Cys Tyr Asn Phe Thr Asn Arg Lys Ile Ser Val Gln Arg Leu  
 409 10 15 20 25  
 411 Ala Ser Tyr Arg Arg Ile Thr Ser Ser Lys Cys Pro Lys Glu Ala Val  
 412 30 35 40  
 414 Ile Phe Lys Thr Ile Val Ala Lys Glu Ile Cys Ala Asp Pro Lys Gln  
 415 45 50 55  
 418 Lys Trp Val Gln Asp Ser Met Asp His Leu Asp Lys Gln Thr Gln Thr  
 419 60 65 70  
 421 Pro Lys Thr  
 422 75  
 474 <210> SEQ ID NO: 22  
 475 <211> LENGTH: 91  
 476 <212> TYPE: PRT  
 477 <213> ORGANISM: Homo sapiens - MIP-1 beta  
 479 <220> FEATURE:  
 480 <400> SEQUENCE: 22

80 delete

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Input Set : A:\34810PCT.seq.txt

Output Set: N:\CRF3\01082002\I509165.raw

481 Met Lys Leu Cys Val Thr Val Leu Ser Leu Leu Met Leu Val Ala Ala  
 482 -20 -15 -10  
 484 Phe Cys Ser Pro Ala Leu Ser Ala Pro Met Gly Ser Asp Pro Pro Thr  
 E--> 485 ~~delete 1~~ (15)-5 (change to -5) 1 5  
 487 Ala Cys Cys Phe Ser Tyr Thr Arg Glu Ala Ser Ser Asn Phe Val Val  
 E--> 488 10 15 20 25 ← insert  
 490 Asp Tyr Tyr Glu Thr Ser Ser Leu Cys Ser Gln Pro Ala Val Val Phe  
 491 30 35 40  
 493 Gln Thr Lys Arg Ser Lys Gln Val Cys Ala Asp Pro Ser Glu Ser Trp  
 494 45 50 55  
 496 Val Gln Glu Tyr Val Tyr Asp Leu Glu Leu Asn  
 497 60 65  
 500 <210> SEQ ID NO: 23  
 501 <211> LENGTH: 92  
 502 <212> TYPE: PRT  
 503 <213> ORGANISM: Homo sapiens - MIP-1 alpha  
 505 <220> FEATURE:  
 W 506 <400> SEQUENCE: 23  
 508 Met Gln Val Ser Thr Ala Ala Leu Ala Val Leu Leu Cys Thr Met Ala  
 509 -20 -15 -10  
 511 Leu Cys Asn Gln Phe Ser Ala Ser Leu Ala Ala Asp Thr Pro Thr Ala  
 512 -5 1 5 10  
 514 Cys Cys Phe Ser Tyr Thr Ser Arg Gln Ile Pro Gln Asn Phe Ile Ala  
 E--> 515 15 20 25  
 516 Asp Tyr Phe Glu Thr Ser Ser Gln Cys Ser Lys Pro Gly Val Ile Phe  
 517 30 35 40  
 519 Leu Thr Lys Arg Ser Arg Gln Val Cys Ala Asp Pro Ser Glu Glu Trp  
 520 45 50 55  
 522 Val Gln Lys Tyr Val Ser Asp Leu Glu Leu Ser Ala  
 523 60 65 70  
 526 <210> SEQ ID NO: 24  
 527 <211> LENGTH: 96  
 528 <212> TYPE: PRT  
 529 <213> ORGANISM: Homo sapiens - I-309  
 531 <220> FEATURE:  
 W 532 <400> SEQUENCE: 24  
 533 Met Gln Ile Ile Thr Thr Ala Leu Val Cys Leu Leu Leu Ala Gly Met  
 E--> 534 -20 -15 -15 -10 -10  
 536 Trp Pro Glu Asp Val Asp Ser Lys Ser Met Gln Val Pro Phe Ser Arg  
 E--> 537 -5 -5 1 1 5 5 10  
 539 Cys Cys Phe Ser Phe Ala Glu Gln Glu Ile Pro Leu Arg Ala Ile Leu  
 540 10 15 15 20 20 25 25  
 542 Cys Tyr Arg Asn Thr Ser Ser Ile Cys Ser Asn Glu Gly Leu Ile Phe  
 543 30 30 35 35 40 40  
 545 Lys Leu Lys Arg Gly Lys Glu Ala Cys Ala Leu Asp Thr Val Gly Trp  
 546 45 45 50 50 55 55  
 548 Val Gln Arg His Arg Lys Met Leu Arg His Cys Pro Ser Lys Arg Lys  
 549 60 60 65 65 70 70  
 1114 <210> SEQ ID NO: 38

see p.3

fix numbering

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Input Set : A:\34810PCT.seq.txt

Output Set: N:\CRF3\01082002\I509165.raw

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1115 <211> LENGTH: 81
1116 <212> TYPE: PRT
1117 <213> ORGANISM: rat
1119 <400> SEQUENCE: 38
1120 Leu Val Leu Leu Ala Val Ala Leu Gln Thr Ser Asp Ala Gly Pro Tyr
1121             -10             -5             -1      1
1123 Gly Ala Asn Val Glu Asp Ser Ile Cys Cys Gln Asp Tyr Ile Arg His
1124             5             10             15
1126 Pro Leu Pro Pro Arg Phe Val Lys Glu Phe Tyr Trp Thr Ser Lys Ser
1127      20             25             30             35
1129 Cys Arg Lys Pro Gly Val Val Leu Ile Thr Ile Lys Asn Arg Asp Ile
1130             40             45             50
E--> 1132 Cys Ala Asp Pro Xaa Met Leu Trp Val Lys Lys Ile Leu His Lys Leu
1133             55             60             65
1135 Ala

```

*see item 9 on Error Summary Sheet*

Use of n and/or Xaa has been detected in the Sequence Listing.  
 Review the Sequence Listing to insure a corresponding  
 explanation is presented in the <220> to <223> fields of  
 each sequence using n or Xaa.

*FWI*

*see pp 4-7 for more errors*

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/509,165

DATE: 01/09/2002

TIME: 16:02:11

Input Set : A:\34810PCT.seq.txt

Output Set: N:\CRF3\01082002\I509165.raw

L:11 M:270 C: Current Application Number differs, Replaced Application Number  
 L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
 L:375 M:283 W: Missing Blank Line separator, <400> field identifier  
 L:401 M:283 W: Missing Blank Line separator, <400> field identifier  
 L:415 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:19  
 L:431 M:283 W: Missing Blank Line separator, <400> field identifier  
 L:454 M:283 W: Missing Blank Line separator, <400> field identifier  
 L:480 M:283 W: Missing Blank Line separator, <400> field identifier  
 L:485 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:22  
 M:332 Repeated in SeqNo=22  
 L:506 M:283 W: Missing Blank Line separator, <400> field identifier  
 L:515 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:23  
 L:532 M:283 W: Missing Blank Line separator, <400> field identifier  
 L:534 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:24  
 M:332 Repeated in SeqNo=24  
 L:603 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:25  
 L:603 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:25  
 L:603 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25  
 L:606 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:25  
 L:606 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:25  
 L:606 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25  
 L:609 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:25  
 L:609 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:25  
 L:609 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25  
 L:612 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:25  
 L:612 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:25  
 L:612 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25  
 L:668 M:283 W: Missing Blank Line separator, <220> field identifier  
 L:670 M:283 W: Missing Blank Line separator, <400> field identifier  
 L:691 M:283 W: Missing Blank Line separator, <220> field identifier  
 L:715 M:283 W: Missing Blank Line separator, <220> field identifier  
 L:1082 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:37  
 L:1082 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37  
 L:1083 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:37  
 L:1083 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37  
 L:1105 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:37  
 L:1105 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37  
 L:1107 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:37  
 L:1107 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37  
 L:1109 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:37  
 L:1109 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37  
 L:1111 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:37  
 L:1111 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37  
 L:1132 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:38  
 L:1153 M:283 W: Missing Blank Line separator, <400> field identifier  
 L:1201 M:283 W: Missing Blank Line separator, <400> field identifier  
 L:1236 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:41  
 L:1240 M:283 W: Missing Blank Line separator, <220> field identifier

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Input Set : A:\34810PCT.seq.txt

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L:1246 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:41

L:1246 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:41

L:1246 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:41